

COUNTRYEDU PRIVATE LIMITED

GSTIN : 06AAJCC6151A1Z3 | CIN : U72900HR2021PTC096283

Email : query@countryedu.com, grievances@countryedu.com

2-Months Digital Marketing Immersion Internship

Designed by: CountryEdu Private Limited

By CountryEdu Private Limited

(IT Managed Services & EdTech Solutions)

Program Objective :

- Understanding iOS application development using Swift and Apple development frameworks
- Developing expertise in mobile UI design, app architecture, and user experience principles
- Learning iOS application development, API integration, and database connectivity
- Building responsive and scalable iPhone and iPad applications using industry-standard tools
- Understanding app deployment, testing, debugging, and performance optimization techniques
- Preparing students for careers in iOS Development, Mobile Application Development, and Software Engineering

Program Structure :

- Duration: 8 Weeks (2 Months)
- Mode: Hybrid / Live / Classroom
- Tools Used: Swift, Xcode, UIKit, SwiftUI, Firebase, GitHub, REST APIs, SQLite
- Final Outcome: iOS Mobile Application Project + Internship Certificate

MONTH 1 – iOS DEVELOPMENT FOUNDATION

Week 1: Introduction to iOS Development & Swift Programming

- Introduction to Apple Ecosystem & iOS Development
- Xcode Environment Setup & Project Structure
- Swift Programming Fundamentals
- Variables, Data Types & Operators
- Control Statements & Functions

~ Outcome: Strong foundation in iOS development concepts and Swift programming fundamentals.

Week 2: User Interface Design & Navigation

- UIKit & SwiftUI Fundamentals
- Storyboards & Interface Builder
- Auto Layout & Responsive Design
- Navigation Controllers & Screen Management
- UI Components & User Interaction
- Outcome: Ability to design responsive and user-friendly interfaces for iOS applications.

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Week 3: Object-Oriented Programming & App Architecture

- Classes, Objects & OOP Concepts
- MVC Architecture Fundamentals
- Data Handling & State Management
- Error Handling & Exception Management
- Reusable Component Development

~ Outcome: Ability to develop scalable and maintainable iOS applications using structured programming practices.

Week 4: Data Storage & Backend Integration

- Local Storage & UserDefaults
- SQLite Database Fundamentals
- Firebase Integration Basics
- Authentication & User Management
- Data Retrieval & Synchronization

~ Outcome: Ability to manage application data and integrate backend services effectively.

MONTH 2 – ADVANCED iOS DEVELOPMENT & APP DEPLOYMENT

Week 5: API Integration & Networking

- REST API Fundamentals
- API Requests & Response Handling
- JSON Parsing Techniques
- Third-Party API Integration
- Secure Data Communication

~ Outcome: Ability to connect iOS applications with external services and APIs.

Week 6: Advanced iOS Features & Optimization

- Push Notifications
- Camera & Media Integration
- Maps & Location Services
- App Security Fundamentals
- Performance Optimization Techniques

~ Outcome: Ability to build feature-rich and optimized iOS applications.

Week 7: Testing, Debugging & Deployment

- Unit Testing Fundamentals
- Debugging Techniques
- App Performance Testing
- Version Control with Git & GitHub
- App Store Deployment Process

~ Outcome: Ability to test, debug, and prepare applications for production deployment.

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Week 8: Professional Development & Industry Best Practices

- iOS Development Best Practices
- Code Documentation Standards
- Project Management & Team Collaboration
- Portfolio Development
- Industry Trends & Emerging Technologies

~ Outcome: Ability to follow professional development workflows and industry standards.

LIVE PROJECT & CAREER READINESS

Major Project Development

Students work on real-world iOS Development projects such as:

- Food Delivery Application
- Expense Tracker App
- E-Commerce Mobile Application
- Healthcare Management App
- Student Management System
- Travel & Booking Application

Project Includes:

- Requirement Analysis & Planning
- UI/UX Design & Wireframing
- Application Development & Integration
- Database & API Implementation
- Testing & Performance Optimization
- Final Project Presentation

~ Outcome: Fully functional industry-level iOS application demonstrating mobile development, backend integration, and deployment capabilities.

From beginner to job-ready — Become an iOS Development Professional in 2 Months.